

ANNEX B: TACTICAL EXERCISE SCHEDULE

2016 Statewide Communications Exercise (COMEX)

13-17 June 2016

Schedule of Events

Summary of Tactical Capabilities

Radio Communications

The following radio systems will be tested for reachback capability to JFHQ-KY in the event of a state-level emergency.

- PRC-152 Radio: Interoperability with the DMARCS Network
- PRC-117 Radio: TACSAT COMMs
- PSC-5 Radio: TACSAT COMMs
- PRC-150 HF Radios: Beyond line of site voice and text capability with units at JFHQ-KY, HAM radio operators, and MARS operators.
- SINCGARS Radios: Local FM interoperability
- Configure and test ACU-2000 to allow Beyond Line of Site communications to be patched to the local FM net.

Data Communications

The following data-based systems will be tested for interoperability:

- Blue Force Tracker (BFT) and Joint Capabilities Release (JCR) Systems: Validate the ability for these systems to share movement tracking and limited free text message traffic.
- WIN-T system interoperability for VoIP and Data communications
- VSAT system interoperability for VOIP and Data communications

Participating Units: 63rd TAB, 138th Signal Company, 103d BSB, 1/623d FA, and 1-149th IN Bn.

Concept of Operations

Intent: Conduct 4 days of HF and TACSAT training provided by Delaware Army National Guard (DEARNG). Exercise, to the maximum extent possible, interoperability between tactical communications systems and reach back to JFHQ-KY. Exercise beyond line of site communications with other tactical units and JFHQ-KY. Five teams will be pushed to various locations within the state to test what they have learned.

Endstate: Documented results validating the level of interoperability between tactical units and JFHQ-KY, enhancing the KYNG's ability to plan for, and operate during Defense Support of Civil Authorities operations.

63rd TAB / 138th Signal Co / 1-149th IN: will participate in the DEARNG training and will deploy with teams to test HF and Sat com radios.

149th Sig Co, 103d BSB, and 1/623rd FA: Conduct CPN reach back testing during Annual training period.

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Day 1 (13 June)

HF and Satellite Training

The Delaware Army National Guard will be providing two instructors to train Ky Army National Guard soldiers on HF and Satellite communications. Day one will be a travel day for these two instructors. KyARNG personnel will setup training class in G6 Wireless Shop.

Tactical Satellite testing

The 103rd BSB will test their military WIN-T /STT system from home station to the Ky JOC to test interconnectivity between the tactical network and the public network. The 623rd will test their WIN-T/ STT from annual training in Tennessee. They will also test their military connectivity back to the JOC.

Tactical Radio

G6 wireless personnel will develop interoperability program for PRC 152 radios. These frequencies will be tested on the statewide interoperability system and the Department of Military Affairs Radio Communications System. This test will validate these radios will communicate with first responders during an emergency operations.

BFT / JCR

Units with these Satellite capabilities will test systems back to the G6 Wireless Shop. The G6 Wireless Shop has a base unit and will communicate with units in the field.

Schedule

1. 0800-1000 Arrival onsite and setup.
2. 1000-1100 BFT and JCR testing
3. 1100-1200 Lunch
4. 1200-1400 WIN-T testing with JOC
5. 1200-1400 EM deployable comms testing
6. 1400-1500 PRC152 Interoperability testing
7. 1500-1630 Breakdown, cleanup and AAR
8. END OF DAY

EXERCISE SCHEDULE

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Days 2 and 3 (14-15 June)

High Frequency Radio

The Delaware Army National Guard provides HF radio communications training to the Kentucky National Guard soldiers. Soldiers will learn the theory behind HF antenna propagation and how to setup an antenna in a field environment. This class will also train soldiers on the non-tactical HF Micom radio that is used for long-haul communications during military support to civilian authorities missions. The second day will be training on the tactical HF PRC 150 radio and how to program this radio to use ALE and text messaging.

Training Schedule Day2

1. 0800-1030 Antenna propagation and theory
2. 1030-1130 Antenna field setup
3. 1130-1230 Lunch
4. 1230 -1530 HF Micom radio programming
5. 1530- 1630 HF ALE and text messaging testing
6. 1630-1700 Breakdown, cleanup and AAR
7. END OF DAY

Training Schedule Day3

1. 0800-0900 PRC 150 overview
2. 0900-1130 Radio programming
3. 1130-1230 Lunch
4. 1230 -1430 ALE programming and applications
5. 1430- 1530 tactical chat
6. 1530-1630 Text messaging testing
7. 1630-1700 Breakdown, cleanup and AAR
8. END OF DAY

EXERCISE SCHEDULE

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Day 4 (16 June)

Satellite Radio training

The Delaware Army National Guard provides PRC 117 satellite radio communications training to the Kentucky National Guard soldiers. Soldiers will learn the theory behind satellite antenna propagation and how to setup an antenna in a field environment. Soldier will learn how to program and load encryption keys into the radio to provide a link to the military satellites.

Training Schedule Day2

1. 0800-0900 PRC117 capability overview
2. 1030-1130 radio programming
3. 1130-1230 Lunch
4. 1230 -1330 radio cloning and retrans
5. 1330- 1430 Satcom basics
6. 1430-1530 Satcon secure key loading and programming
7. 1530-1630 PRC 117 operations
8. 1630-1700 Breakdown, cleanup and AAR
9. END OF DAY

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Day 5 (17 June)

Field environment testing and training

Teams will be establish to deploy out in the state to setup communications in a field environment and communicate back to the G6 wireless shop. These team will setup HF and Satellite radios and supporting antenna systems and will show that they have learn how to setup and use these radio systems in a field environment.

1. 0800-0900 overview and instruction
2. 0900-0930 equipment checkout and loading
3. 0930-1045 Site movement
4. 1045-1130 Setup and operations
5. 1130-1230 Communications testing
6. 1230 -1330 Lunch
7. 1330- 1430 Travel back to Boone Center
8. 1430-1530 unload, inventory equipment
9. 1530-1630 Breakdown, cleanup and AAR
10. END OF TRAINING